

MAY 25 1982

Product Health & Safety Data Sheet

penreco

A PENNZOIL DIVISION

Code 4062

I Product Identification DPM 667			
Manufacturer's Name	PENRECO		
Address	106 South Main St., Butler, Pennsylvania 16001		
Regular Telephone No.	412/756-0110	Emergency Telephone No.	412/756-0110
Trade Name	PETROTECT IX (MIL-C-16173), GRADE 1		
Synonyms	Solvent cutback rust preventive.		
II Hazardous Ingredients			
Material or Component in Hazardous Concentrations	%	Hazard Data	
300-360 Naphtha (solvent)	37	OSHA PEL = 500 PPM	
III Health Effect Information			
Eye Contact	Eye contact may cause burning and irritation.		
Skin Contact	Irritation or dermatitis may develop on prolonged or repeated exposure.		
Inhalation	Excessive inhalation may cause local irritation, drowsiness, pneumonia, or coma.		
Ingestion	Ingestion may cause local irritation of the mucous membranes of the mouth, esophagus, and stomach.		
Health Data	OSHA permissible exposure limit (PEL) for oil mist is 5 mg/M ³ .		
Systemic Effects	Unknown.		

IV Emergency & First Aid Procedures

Eye Contact	Flush eyes with large amounts of water. Continue at least for 15 minutes. CALL A DOCTOR IMMEDIATELY.
Skin Contact	Remove all contaminated clothing. Wash exposed portions of the skin with soap and water. Contaminated clothing must be washed before being reworn.
Inhalation	Remove exposed person to fresh air immediately. If breathing has stopped, apply artificial respiration and administer oxygen if necessary. CALL A DOCTOR IMMEDIATELY.
Ingestion	If material has been swallowed, DO NOT induce vomiting. CALL A DOCTOR IMMEDIATELY.

V Personal Health Protection Information

Eye Protection	Plastic face shield or splash proof safety goggles should be worn if material is handled in such a way that it could be splashed into eyes.
Skin Protection	Synthetic rubber protective clothing; boots, gloves, aprons, etc. may be worn over parts of body subject to exposure if person handling is sensitive to skin irritation as a result of exposure to oils.
Respiratory Protection	Low concentration mist: Use half-mask or full face piece respirator with replaceable cartridge filter. High concentration mist: Use full face supplied air respirator in positive pressure mode or full face self-contained breathing apparatus with positive pressure. NOTE: All respirators must be of the NIOSH approved type. DO NOT use compressed oxygen in hydrocarbon atmospheres.
Ventilation	Adequate ventilation in accordance with good engineering practice must be provided.
Other	Wash hands and face with soap and water before smoking or eating.

VI Fire Protection Information

Flash Point (Test Method)	Pensky-Marten closed Cup - 100°F min.		Autoignition Temperature (°F)	>600°F
Flammable Limits in Air % By Vol.	Lower	Unknown	Upper	Unknown
Extinguishing Media	Foam, dry chemical, carbon dioxide			
Special Fire Fighting Procedures	Treat as oil fire. Use water only to cool surrounding containers of flammable or combustible material.			
Unusual Fire and Explosive Conditions	Dense smoke may be generated when burning. Solvent can create moderate fire or explosion hazard.			
Hazardous Combustion Products	Products of combustion — CO, CO ₂ , smoke, SO _x .			

VII Reactivity Data

Stability (thermal, light, etc.)	Stable	X	Con- ditions to Avoid	None
	Unstable			
Incompatibility (materials to avoid)	Strong oxidizing agents			
Hazardous Decomposition Products	None			
Hazardous Polymerization	Stable	X	Con- ditions to Avoid	None
	Unstable			

VIII Environmental Precautions

Steps To Be Taken if Material is Released or Spilled	Remove from ignition sources. Scrape up material into waste containers, or absorb with dry sand or oil absorbents. Clean spill area with detergent solutions or safety solvents. Provide adequate ventilation during clean up.
Waste Disposal Method	Waste materials should be dumped or buried in an approved industrial waste land fill. Large quantities may be disposed of by incineration in a suitable combustion chamber. Disposal must comply with all federal, state, and local regulations.

IX Special Precautions

Handling and Storage Requirements	<p>Store in sealed containers away from heat, open flame, and oxidizing materials. Fire extinguishers must be kept readily available and personnel trained in proper use.</p> <p>See NFPA 30 and OSHA 1910.106 — FLAMMABLE AND COMBUSTIBLE LIQUIDS.</p>
Precautionary Statements	<p>Do not transfer to unmarked containers. Follow DOT regulations during transport. Proprietary chemicals obtained from various manufacturers are added to this product. These additives have been designated as non-hazardous by the manufacturers. Should additional information on these additives be required, contact Pennzoil Company.</p>

X Physical Properties

Boiling Point (°F)	I.B.P. 300-320°F	Melting Point (°F)	N/A	Solubility Negligible in water.
Vapor Pressure (mm Hg & temp.)	Unknown	Specific Gravity (H₂O = 1)	0.912	Appearance, Color, Odor, etc. Black liquid asphalt. Hydrocarbon solvent odor.
Molecular Weight	varies	Percent Volatile by Volume (%)	37.0	Other
Vapor Density (air = 1)	Solvent Approx. 4.3	Evaporation Rate (EE = 1)	<1	

Approved By: George Brothers, Mgr., Tech. Services

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Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917).